

## Product Description

### GNAQ(Q209R)

**Catalog Number:** 26330

**Gene Symbol:** GNAQ, CMC1, G-ALPHA-q, GAQ, SWS

**Description:** Anti-GNAQ(Q209R) Mouse Monoclonal Antibody

**Background:** GNAQ is a protein that in humans encoded by the GNAQ gene. The GNAQ protein, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospholipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation.

**Immunogen:** A synthetic peptide from the internal region of GNAQ which includes the mutation of Q209R, human origin.

**Tested Applications:** ELISA, WB, IF, IHC

**Recommended Dilutions:**

ELISA:	1:1000-1:2000
WB:	1:500-1:1000
IF:	1:50-1:100
IHC:	1:50-1:100

**Concentration:** 1.0 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

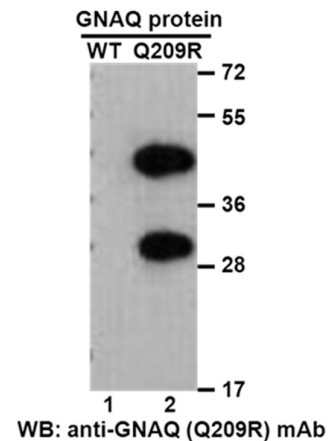
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes GNAQ(Q209R), but not wild type GNAQ protein from vertebrates.

**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

**Western blot:**

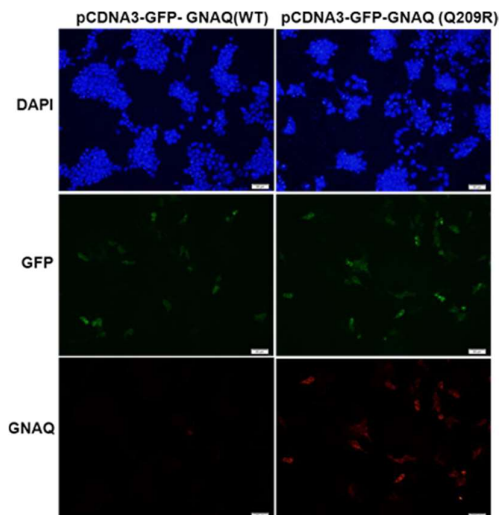


**Western blot analysis of recombinant GNAQ (Q209R) and wild type proteins.**

Purified His-tagged GNAQ (Q209R) protein (lane2) and corresponding wild-type protein (lane1) were blotted with anti-GNAQ (Q209R) monoclonal antibody (Cat. # 26330).

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**Immunofluorescence:**



**Immunofluorescence of cells expressing GNAQ proteins with anti-GNAQ (Q209R) antibody.**

HEK293T cells were transfected with pCDNA3-GFP-GNAQ (WT) plasmid (left column) or pCDNA3-GFP-GNAQ (Q209R) plasmid (right column), then fixed and stained with anti-GNAQ (Q209R) monoclonal antibody (Cat. # 26330).

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